Going Beyond Research Experiences for Teachers

Xiaobo Tan, Professor
Department of Electrical & Computer Engineering
Michigan State University

Janelle Orange, Science Teacher
MacDonald Middle School
East Lansing, Michigan

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Future Engineers

Educated Workforce

Enhanced pool for all STEM fields

21st Century

Discoveries

Innovative Curriculum & Programs

Train K-12 Teachers

Increase STEM Students

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Discoveries

Innovative Curriculum & Programs

21st Century
Research Experiences for Teachers

Authentic research experience

Innovative curriculum

Transition to classroom
Beyond RET: Comprehensive School – University Partnership

Impact on recruiting of incoming engineering students:
• ACT average increases from 23/24 in 2005 to 29/30 in 2015
• 35% and 23% increase for women and minorities from 2014 to 2015
Shifting Classroom Culture

“You are biomedical engineers...”

“You are civil engineers...”

“You are structural engineers....”
Shifting School Culture
Impact on the Future

60% of 7th grade students have changed the way they feel and think about STEM learning.

78% of 7th grade students feel as if they could work in a STEM-related career.

59% of 7th grade students are considering a STEM-related career.